RECOVERY

New Portable Performers Take The Hassle Out Of Refrigerant Recovery!

Since federal law prohibits venting of refrigerant during service work, you need a recovery unit that's simple to use…works with existing equipment and standard procedures…that's easy to carry to and from the job site. With this in mind, Robinair engineers incorporated all the functions you need and the features you want in a compact new case — the Cool-Tech line of equipment.

All models in the HVAC recovery line-up give you these benefits:

Fast Recovery — A heavy duty compressor and large condenser work together to minimize recovery time.

Oil-less Compressor — Quiet running and never requires an oil change; also eliminates the risk of cross-contamination between refrigerant types; poppet valve design handles liquid with ease.

Simple Operation — Controls are kept to a minimum and are clearly marked.

User Protection — Robinair builds safety features such as high pressure cut-off switches into all its equipment.

Economical — Engineering advances, partnerships with key suppliers, plus a great new case for all our HVAC models help us keep costs down and quality up.

Model 25200B

For medium and high pressure refrigerants including R-410A

Automatic Features Free You Up To Do Other Work

The 25200B includes all the great features of the Cool-Tech line for HVAC service, plus automatic operation that reduces the amount of user attention needed.

AUTOMATIC

Liquid to Vapor Switching — Provides continuous recovery without the need to change the hose configuration or flip a switch

Automatic Liquid Lift — Lets you rapidly transfer large amounts of refrigerant

Automatic Safety Shut-Off — A high pressure cut-out switch cycles the unit off

SIMPLIFIES A/C-R SERVICE

Self-Clearing — Lets you work on a variety of systems without contaminating refrigerant tanks

Quick Hook-Ups — Fittings are located on the control panel for convenience

Pressure Gauges — For monitoring recovery progress and pressure in the tank

Ample Heat Exchange — An extra-large condenser and fan provide maximum heat exchange

Ergonomic Design

The back panel is concave so it fits along side your hip and leg as you walk, while components are so balanced, the unit actually feels lighter than it is. The molded handle is sized for a comfortable grip when you carry the unit. Compact with rounded corners, the case is made of high impact polypropylene for long-lasting durability.

SPECIFICATIONS

Voltage	115V 60 Hz
Recovery Rate	Vapor .4 to .6 lbs/min. (0.18 to 0.27 kg/min.) Liquid 5 to 7 lbs/min. (2.3 to 3.2 kg/min.)
Operating Range	0° to 105°F (-18 to 41°C)
Inlet Fitting	¼" MFL
Refrigerant Tank	30 lb (14 kg) or 50 lb (23 kg) refillable (not included)
Dimensions	20" H x 12 ½" W x 10 ½" D (50.8 cm x 31.75 cm x 26.67 cm)
Weight	32 lbs (14.51 kg)

INTERNATIONAL MODELS

25201B	220-240V 50/60 Hz, metric gauges
25202B	100V 60 Hz, metric gauges

REPLACEMENT PARTS

17105	30 lb (14 kg) Refillable Tank
17506	50 lb (23 kg) Refillable Tank
RA19497	Optional Float Cable Assembly for Tank

A Lightweight Model With Great Recovery Rates!

Model 25175A

HVAC

The Cool-Tech 25175A recovers vapor at a rate of up to one pound a minute and handles a wide range of refrigerants for great versatility.

Liquid Recovery — Can handle direct liquid recovery without damaging the compressor

Manual Operation — Select vapor or liquid recovery; stop recovery when gauge shows system has been pulled into a vacuum

Self-Clearing — Protects against cross-contamination, use with any refrigerant

Heat Exchange — Three row condenser and high CFM fan can handle high ambient conditions for effective recovery

For medium and high pressure refrigerants including R-410A

Access fittings are located on the control panel for quick connection, pressure gauge clearly shows when recovery is complete

SPECIFICATIONS

Voltage	115V 60 Hz
Recovery Rate	Vapor Up to 1 lb/min. (0.45 kg/min.) Liquid Up to 3 lbs/min. (1.36 kg/min.) Liquid Lift Up to 7 lbs/min. (3.18 kg/min.)
Operating Range	0° to 105°F (-18° to 41°C)
Inlet Fitting	¼" MFL
Refrigerant Tank	30 or 50 lb refillable (not included)
Dimensions	20" H x 12 ½" W x 10 ½" D (50.8 cm x 31.75 cm x 26.67 cm)
Weight	29 lbs (13.15 kg)

INTERNATIONAL MODEL
25176A 220-240V 50/60 Hz, metric gauge

For medium pressure refrigerants

Economic, Basic Recovery

Model 25150A

HVAC

If you work on systems using only medium pressure refrigerants, the 25150A is a great choice. It's a basic recovery unit that's both effective and simple to use. It's especially suited to appliance and smaller HVAC applications.

Simple Operation — One connection and one switch are all that's needed to start recovery; use the pressure gauge to tell when recovery is complete

Field-Serviceable — Like all Robinair units on this page, the compressor is designed for fast replacement if repairs are ever needed

Efficient Fan — Cools the compressor and condenser coil for use even in high temperatures

SPECIFICATIONS

Voltage	115V 60 Hz
Recovery Rate	Vapor .16 to .20 lbs/min. (0.1 kg/min.) Liquid 3 to 5 lbs/min. (1.36 to 2.27 kg/min.) using liquid lift
Operating Range	0° to 105° F (-18° to 41° C)
Inlet Fitting	¼" MFL
Refrigerant Tank	30 or 50 lb refillable (not included)
Dimensions	20" H x 12 ½" W x 10 ½" D (50.8 cm x 31.75 cm x 26.67 cm)
Weight	27 lbs (12.25 kg)

INTERNATIONAL MODEL
25151A 220-240V 50/60 Hz, metric gauge

"What's your biggest problem with recovery?

Most people told us it was lugging around a cumbersome unit. So our engineers designed a series of models with unequalled performance and portability."

Marc Rosone
Product Manager

RECOVERY/RECYCLING

Model 342000

COOLTECH ZK

The Industry's Most Advanced Model Is Also The Easiest To Use!

The 342000 automates A/C service from start to finish. Using temperature probes and service hoses, it gives you a snapshot of the system's operation — you can print the information, too — then verifies the refrigerant type, recovers, recycles, evacuates and recharges. It even drains system oil once the job is finished.

Exceptional Accuracy

Electronic Scale — Scale is mounted internally and includes built-in dampening of shock loads, that occur when the unit is moved over gravel or an uneven floor.

Microprocessor — Controls functions; typical evacuation time and recharge amount are pre-programmed as defaults but can be easily changed as needed; also signals when it's time to drain the oil container, change the filter, pump oil, or source tank.

Refrigerant Identifier — Can save you thousands of dollars in lost refrigerant and lost jobs; verifies 98% purity.

Unmatched Speed

6 cfm Vacuum Pump — Quickly pulls to deep vacuum conditions for thorough evacuation; removes air and moisture so system operates at peak efficiency.

Heavy Duty Compressor — Pulls from both the high and low sides for fastest recovery; initial pass through the filter-drier provides single pass recycling.

Oil Injection — Lets you replace system oil in seconds through the service hoses while the system is in a vacuum, with no other connections needed — just press a button.

Reliability

Constant Refrigerant Refill — Maintains 12 to 15 lbs (5.44 to 6.8 kg) of refrigerant in the internal storage vessel so you'll never have to stop in the middle of a job to refill the tank; all it takes to change the source tank is one fast connection.

Automatic Operation — Guarantees service consistency from job to job, technician to technician; takes just the push of a button to start recovery, evacuation and recycling.

Internal Manifolds — Block assemblies controls refrigerant flow, reducing the possibility of leaks and simplifying field service, if it's ever needed.

R-134a Recovery, Recycling, Evacuation and Recharging

Design certified by UL to meet SAE J-2210.

Automatic Operation

- Automatic Refrigerant Refill
- Automatic Refrigerant Identification
- Automatic Air Purge
- Automatic Oil Drain
- Automatic Clearing after every job

All controls are at your fingertips...

Refrigerant Identifier — Critical for today's A/C service! Automatically tests refrigerant in the vehicle at the beginning of each job. If contaminated refrigerant is detected recovery is stopped to protect the unit and your shop's refrigerant supply.

Built-in Printer — Increases customer confidence, simplifies diagnosis and provides a record of service; just press "Print" key to get a hard copy of pressures/temperature, ambient conditions and other data.

Plain Language Prompts — Clearly tells the technician what needs to be done, right down to opening service couplers, or what function the unit is currently performing. Select English, French, Spanish or German; also select pounds or kilograms.

RECOVERY / RECYCLING

Control panel is at optimum angle for viewing during operation, gauges are 4″ diameter
Indicator light flashes after each operation is complete
Large, high resolution display is easy to read
Refrigerant identifier filter is easy to reach for replacement
Keypad is clearly marked and simple to understand following display prompts
Handle is ergnomically located so the unit moves with less effort
Printer provides handy hard copy of vehicle operation data
Rear door opens for access to the filter-drier
Bottle for oil injection mounts on side
Source tank is readily accessible
Rounded corners prevent damage to vehicle
Oil drain bottle is calibrated to show how much should be replaced
High impact polypropylene is impervious to chemicals commonly used in the shop environment
Construction is lightweight and durable
Unique "sidewinder" cabinet with large wheels and casters makes unit easy to position near the vehicle

Back View — Two temperature probes with 15′ cords are included

Takes the guesswork out of A/C service!

Snapshot Mode — Shows date/time, minimum low side and maximum high side pressures, ambient conditions, refrigerant type, duct temperature; amount of refrigerant recovered can also be printed and shown to the customer.

Recharging — Transfers 2 lbs in less than 60 seconds, 3 lbs in less than 90 seconds (average); charging is accurate to ± one ounce.

Air Purge — Tests refrigerant before recovery and continuously monitors refrigerant in the internal vessel, automatically venting air as needed.

Temperature Probes — Two probes are included so there's no need for separate thermometers; you can check both front and back vents for adequate cooling.

Built-In Diagnostics — If any operating parameters are incorrect, unit alerts you so corrections can be made.

Here's how the 342000 simplifies A/C service...

Identification — Active Flow Control protects the identifier from damaging liquid refrigerant, oil and other contaminants.

Recovery — Automatically restarts if the unit senses a rise in pressure.

Simple Maintenance — Filter-drier life is monitored by the microprocessor; for a change over, the unit automatically pumps down
and evacuates the filter-drier before and after.

Charging — If the transfer of refrigerant stalls for 30 seconds, the unit goes into an automatic Power Charge mode, building pressure to force the charge.

REPLACEMENT PARTS

34724	Spin-On Recycling Filter-Drier
16912	Refrigerant Identification Filter
34215	Thermal Paper for Printer

SPECIFICATIONS

Voltage	115V 60 Hz
Source Tank	30 or 50 lbs (23 kg) refillable (not included)
Operating Range	50° to 120° F (11° to 49° C)
Recycling Filter Drier	43 cu. in (710cc) spin-on
Scale Resolution	1/100 lb (.02 kg)
Pump Free Air Displacement	6 cfm (142 L/m)
Dimensions	52″ H x 33″ W x 20″ D (132 cm x 83.8 cm x 50.8 cm)
Weight	202 lbs (91.63 kg) without source tank

RECOVERY/RECYCLING

Model 34134-2K

COOLTECH 134

A Compact Unit Combining Simplicity And Economy

AUTO

Now Robinair quality is available in an affordable unit that recovers, recycles and recharges with just one hook-up to the vehicle.

Field Proven Compressor — Quickly pulls refrigerant from the system during recovery to save time; also pulls the system into a vacuum prior to recharging.

Electronic Scale — Makes it simple to recharge to factory specifications; also weighs recovered refrigerant and provides tank overfill protection.

Microprocessor — Signals when it's time to change the filter-drier and drain the system oil.

High Capacity Filter-Drier — Removes contamnninants during single pass recycling; replace the entire canister for fast changeovers.

Manual Air Purge — Removes air from the refillable tank, the gauge on the control panel shows when to purge air.

Two-Way Manifold — Detachable so it can be used away from the unit or hung on the vehicle so it's easy to monitor pressures during service; controls the flow of refrigerant.

Toggle Switch — Selects either pounds or kilograms.

R-134a Recovery, Recycling, and Recharging

Design certified by UL to meet SAE J-2210.

Refrigerant is charged directly out of the 30 lbs (14 kg) tank. A tank pressure gauge on the control panel monitors pressure in the tank for user safety. The electronic scale protects against overfilling and provides accurate charging by weight.

SPECIFICATIONS

Voltage	115V 60 Hz
Refrigerant Tank	30 lbs (14 kg) refillable, D.O.T. approved
Operating Range	50° to 120° F (11° to 49° C)
Recovery Rate	½ lb min. (.2 kg/min.)
Recycling Filter-Drier	43 cu in (710 cc) Spin-on
Weight	65 lbs (30 kg) without tank
Dimensions	45" H x 22" W x 28" D (114 cm x 56 cm x 71 cm)

REPLACEMENT PARTS

34130	30 lb (14 kg) Refillable Tank for R-134a
34724	Spin-On Recycling Filter-Drier
34727	Optional Vacuum Pump Kit includes components necessary to add vacuum pump (pump not included)

In addition to removing all refrigerant and recycling it to SAE standards, the 34134-2K is designed for accurate charging; a tare function zeroes the weight display — just press and hold the "Charge" button until the correct amount has been transferred, then release the button.

RECOVERY/RECYCLING

COOLTECH 700

Model 34700-2K

Combines Simple Operation With Superior Accuracy

The Cool-Tech 700 recovers, recycles, evacuates and recharges R-134a quickly and accurately. Built in the new "sidewinder" cabinet, it combines proven technology with the latest in time-saving features.

Design certified by UL to meet SAE J-2210.

Recovery, Recycling, Evacuation and Recharging for R-134a

Automatic operation means less attention is needed!

Automatic Refrigerant Refill — With this latest advance, you never have to stop in the middle of a job to change refrigerant tanks. The unit maintains 12 to 15 pounds of refrigerant in an internal vessel, and even signals when it's time to change the supply tank so no monitoring is needed. Uses a 30 or 50 pound disposable source tank.

Automatic Air Purge — Eliminates damaging air without any monitoring of gauges or opening of valves.

Automatic Oil Drain — The unit automatically drains system oil captured during recovery, and the display reminds you to empty the bottle. Calibrations on the container clearly show you how much oil needs to be replaced.

Accuracy features eliminate guesswork!

Electronic Scale — The scale is mounted internally for protection and has a dampening mechanism that protects against impact shocks such as movement over rough surfaces. The scale weighs recovered refrigerant and charges by weight for greatest accuracy.

Internal Storage Vessel — Refrigerant is recovered into and charged out of this vessel, which is permanently mounted to the electronic scale for continuing reliability.

Internal Manifold — A Robinair exclusive, this block manifold contains all the solenoids that control refrigerant flow, reducing the possibility of leaking connections.

Alpha-Numeric Display — The scrolling display shows messages so it's clear what your choices are or what needs to be done. You can select English, French, German or Spanish, as well as pounds or kilograms.

Best of all, it's easy to use!

Ergonomic Design — The Cool-Tech 700 cabinet is easy to maneuver between service bays and to position near the vehicle. With the control panel facing the vehicle as you move the unit, you can clearly see the best orientation.

Large Gauges — The manifold high and low side gauges are mounted at an angle that's easy to see from under the hood, and they're a full 4" in diameter.

Features that speed service

- 6 CFM vacuum pump for fast, thorough pull-down
- Heavy duty compressor pulls from both sides during recovery
- Single pass recycling meets SAE specs
- Oil injector lets you add system oil in seconds

SPECIFICATIONS

Voltage	115V 60 Hz
Refrigerant Container	On-board 30 lb (14 kg) vessel
Operating Range	50° to 120° F (11° to 49°C)
Recycling Filter-Drier	43 cu. in. spin-on type
Pump Free Air Displacement	6 cfm (142 L/m)
Dimensions	52" H x 33" W x 20" D (132 cm x 83.8 cm x 50.8 cm)
Weight	180 lbs (81.65 kg)

INTERNATIONAL MODEL

34701-2K	220-240V 50/60 Hz

REPLACEMENT PART

34724	Spin-On Recycling Filter-Drier

RECOVERY/RECYCLING

Model 17700-2K

COOLTECH 12

Our Most Popular R-12 Model, Updated And Improved

Robinair has taken its most popular R-12 model and updated it for the new millennium. All the advantages service technicians around the world have come to appreciate remain, but they've been enhanced with improvements that make A/C service even simpler.

The Cool-Tech 12 is fast and accurate!

One Hook-Up — All service work is done in one fast, continuous operation through the standard high and low side hook-ups to the vehicle, there's no switching hoses or changing tanks.

Heavy Duty Compressor — Our proven compressor pulls from both the low and high sides to recover all refrigerant from the vehicle as quickly as possible.

6 CFM Vacuum Pump — Our Cool-Tech pump has the power to quickly evacuate the system prior to recharging.

Electronic Scale — Permanently mounted inside the cabinet with protection against shock impact from movement over rough surfaces, the scale charges by weight and measures recovered refrigerant.

The Cool-Tech 12 is easy to use!

No Special Training Needed — Prompts on the alpha-numeric display lead you through programming, tell you what function is currently in process, and reminds you to change the filter-drier, vacuum pump oil, etc.

Automatic Refrigerant Refill — Refrigerant is recovered into and charged out of an internal storage vessel; the unit maintains a constant 12 to 15 pounds of refrigerant in this vessel, filling it automatically from a disposable source tank as needed.

Automatic Oil Drain — The unit drains system oil that was removed during recovery without any attention from the user. A display signal reminds you to empty the bottle, while an on-board oil injector lets you replace the lost oil at the push of a button.

Recovery, Recycling, Evacuation and Recharging for R-12

Design certified by UL to meet SAE J-1990.

The Cool-Tech 12 comes in a new high tech cabinet!

Protects Vehicles — Rounded corners on the cabinet won't scratch or dent vehicles as metal cabinets will.

Moves Around Easily — The handle is located at the optimum height to make moving the unit as effortless as possible, while the control panel is located on the side so you can see where best to position the unit.

Visible Gauges — Manifold gauges have been increased in size to a full 4" so you can easily view readings from under the hood.

SPECIFICATIONS

Voltage	115V/60Hz
Refrigerant Container	On-board 30 lb (14kg) vessel
Operating Range	50° to 120° F (11 to 49C)
Recycling Filter-Drier	43 cu. in. spin-on type
Pump Free Air Displacement	6 cfm (142 L/m)
Dimensions	52" H x 33" W x 20" D (132 cm x 83.8 cm x 50.8 cm)
Weight	180 lbs (81.65 kg)

REPLACEMENT PART
34724 Spin-On Recycling Filter-Drier

"Our new design looks great and, even better, functions great!

This new cabinet has been ergonomically designed so the unit is easy to operate, the gauges are easy to see during use, and it's easy to move around. Storage trays for tools and hoses that wrap around the handle are "extras" you'll appreciate."

Gary Murray
Design Engineering

RECOVERY/RECYCLING

COOLTECH MULTi

Model 17800-2K

For Multiple Refrigerants

The 17800-2K recovers, recycles, evacuates and recharges — all in one fast, continuous operation through one hook-up. It's ideal for refrigerated trailers, buses, RV's, and other vehicles that use more than one refrigerant. The Cool-Tech Multi is also great for fleet maintenance, covering, a variety of makes and models since it has R-12 and R-134a capabilities. In-plant maintenance departments will find it can handle the different types of refrigerants used in various systems

Proven technology simplifies service!

Microprocessor — Controls functions; prompts lead you through programming and also signal when it's time to change the filter-drier, vacuum pump oil and compressor oil.

Float Chamber — Automatically adjusts from liquid to vapor for most efficient recovery.

Electronic Scale — Makes it simple to recharge to factory specifications; also weighs recovered refrigerant and provides tank overfill protection.

Cool-Tech Vacuum Pump — 6 CFM has the capacity to thoroughly evacuate system, readying it for recharging.

Versatility for many types of systems!

Lockout Panel — Prevents mixing of refrigerants; slides to one side for ¼" fittings and to the other for ½" Acme fittings.

Single Pass Recycling — Makes an initial pass through the filter-drier; additional recycling can be programmed in case of compressor burn-out, other conditions.

Heavy Duty Filter-Drier — Removes moisture and acid from the refrigerant; can handle up to 300 pounds between changeovers.

Comes with two 50 pound tanks, one with ¼" fittings and the other with ½" Acme fittings. Also three sets of charging hoses are included — one for R-12, one for automotive R-134a (with field service couplers), and one for other refrigerants using ¼" SAE fittings.

Design certified by UL to meet SAE J-1770.
Also listed in ARI directory.

Recovers, Recycles, Evacuates, and Recharges R-12, R-134a, R-22, R-502, MP and HP Blends — and many more!

Also great for in-plant maintenance!

SPECIFICATIONS

Voltage	115V 60 Hz
Tanks	Two 50 lb (23 kg) refillable
Operating Range	50° to 105° F (11° to 41° C)
Recovery Rate	Vapor — ½ lb/min. (.02 kg/min) Liquid — 4 lbs/min. (1.8kg/min)
Recycling Rate	4 lbs/min. (1.8 kg/min.) flow rate
Recycling Filter-Drier	1150 g XH-9
Pump Free Air Displacement	6 cfm (142 L/m) at 50 Hz
Dimensions	47" H x 26" W x 30" D (119 cm x 66 cm x 77 cm)
Weight	256 lbs (116 kg) without tank

Design certified by UL to meet SAE J-1770. Also listed in ARI Directory.

INTERNATIONAL MODELS

17801-2K	220-240V 50/60 Hz, readout in kilograms
17801TUV-2K	220-240V 50/60 Hz, TUV approved

REPLACEMENT PARTS

17678	Recycling Filter-Drier
17506	50 lb (23 kg) Refillable Tank, ¼" fittings
34750	50 lb (23 kg) Refillable Tank, ½" ACME fittings

RECOVERY/RECYCLING

Model 34300-2K

COOLTECH DUAL LT

Our Economy Dual Unit Now Comes With A Vacuum Pump

Now you can have the convenience of a dual unit and the performance of a much higher priced unit in one compact model. The Cool-Tech Dual gives you all the advantages of combined R-12 and R-134a capabilities, but requires more technician involvement than our automatic model.

Evacuation time can be entered into the microprocessor, but the technician controls the flow of refrigerant by opening and closing the manifold valves. This semi-automatic operation is off-set by the affordability of the unit.

Saves valuable service time

1/3 HP Compressor — Pulls refrigerant from both the high and low sides of the system for fastest recovery.

Filter-Drier — High capacity for effective contaminant removal; replace the entire canister for fast changeovers.

Tare Function — Zeroes the display for recharging to eliminate any complicated calculations — just hold the "Charge" key and read the amount of refrigerant being charged. Release the key when the correct amount has been transferred.

Refrigerant Selection — Just press a button to select R-12 or R-134a; there's no need to clear before switching refrigerants and no worry about cross-contamination.

Vacuum Pump — Unit comes equipped with Robinair's Cool-Tech vacuum pump, rated at a full 6 CFM.

Recovers, Recycles, Evacuates and Recharges for R-12 and R-134a

Design certified by UL to meet SAE J-2210.

Design certified by UL to meet SAE J-1990.

Takes the guesswork out of A/C service!

Microprocessor — Controls functions including vacuum and recovery; the display shows the weight of recovered refrigerant and recharge amount as it's being delivered

Electronic Scale — Charges by weight for greatest accuracy; also weighs the amount of refrigerant recovered and provides tank overfill protection (two included)

Manual Air Purges — Use gauges on the control panel to monitor tank pressure so you know when to release air from the tanks

Designed for ease of use and for long life!

Manifold Gauge Sets — Provide convenient flow control and show system pressures; there's one each for R-12 and R-134a, and they're detachable; hoses are Robinair's Enviro-Guard™ low permeation type.

Maintenance — The display signals you when it's time to drain the oil and change the filter-drier.

Unit of Measure — Toggle switch selects either pounds or kilograms.

Compact Cabinet — Takes up about the same space as a single refrigerant unit, even with two 30 lb tanks installed.

SPECIFICATIONS

Voltage	115V 60Hz
Refrigerant Tanks	Two 30 lb (14 kg), DOT approved
Operating Range	50° to 120° F (11-49° C)
Recycling Filter-Drier	43 cu. in. spin-on type
Pump Free Air Displacement	6 cfm (142 L/m)
Dimensions	45" H x 22" W x 28" D (114 cm x 56 cm x 71 cm)
Weight	168 lbs (76.2 kg) without tanks

REPLACEMENT PARTS

17105	30 lb Refillable Tank for R-12
34130	30 lb Refillable Tank for R-134a
34724	Spin-On Recycling Filter-Drier

RECOVERY/RECYCLING

COOLTECH DUAL 2K

Model 34800-2K

Dual Unit With Automatic Operation For Simplicity

Use the same unit for both R-12 and R-134a and save space in your shop. You can switch from one refrigerant to the other at the touch of button. The 34800-2K comes with two built-in manifolds, two tanks, two compressors and two electronic scales, so there's no need to clear or switch tanks. It takes up less room than two individual units and automatic operation makes it easy for any technician to use.

Recovery, Recycling, Evacuation, and Recharging for R-12, R-134a

Automatic operation frees you up to do other work

Microprocessor With Scrolling Display — Controls all functions including evacuation time and recharge amount, plus signals when it's time to change the filter-drier, pump oil, etc.; alpha-numeric display shows messages which are easy to understand.

Automatic Air Purge — Any air in the tanks is automatically purged as needed to prevent the problems caused by air in a vehicle's A/C system; there are no gauges to monitor or valves to open.

Electronic Scale — Automatically shuts off the unit when the programmed amount of refrigerant has been recharged, also provides tank overfill protection and monitors the amount of refrigerant recovered. Storage vessels are permanently mounted and never need recertification.

Speeds service for increased profitability

Single Hook-Up — All service work is done in one fast, continuous operation through the one hook-up to the vehicle.

Heavy Duty Compressor — Pulls refrigerant from both the high and low sides of the A/C system for fastest recovery; compressor return oil separator keeps the compressor lubricated for long life, proper operation.

6 CFM Vacuum Pump — Powerful Cool-Tech vacuum pump has the power and capacity to pull down quickly and dehydrate thoroughly so you know the system is ready for a recharge.

Super-Fast Charging — A typical auto recharge takes a minute or less.

Oil Injection — Lets you add system oil in just seconds while the unit is in a vacuum.

Design certified by UL to meet SAE J-2210.

Design certified by UL to meet SAE J-1990.

NEW CABINET DESIGN IS USER-FRIENDLY!

Easy-View Control Panel
We angled the panel so gauges can be easily viewed while you're working on the vehicle; also the gauges are a big 4" in diameter.

Handle
Ergonomically designed handle also houses the oil injection bottles.

Easy Access Panel
The front door opens for access to the filter drier.

Alpha-Numeric Display — *Shows the current function and operation prompts; includes a menu for selecting the mode. English, French, German and Spanish readouts are included. Also, pounds or kilograms can be selected.*

SPECIFICATIONS

Voltage	115V 60 Hz
Refrigerant Tanks	Two 30 lb (14 kg), DOT approved
Operating Range	50° to 120° F (11° to 49° C)
Recycling Filter-Drier	43 cu. in. (710 cc) Spin-On Type
Scale Resolution	1/100 lb (.02 kg)
Pump Free Air Displacement	6 CFM (142 L/M)
Dimensions	46" H x 27" W x 32" D (116.8 cm x 68.6 cm x 81.3 cm)
Weight	Approx. 200 lbs (90.72 kg)

INTERNATIONAL MODEL
34801-2K 220-240V 50/60 Hz

REPLACEMENT PART
34724 Spin-On Recycling Filter-Drier

RECOVERY/RECYCLING

Model 34700 for R-134a / Model 17700A for R-12

Recover, recycle, evacuate and recharge with just one hook-up to the vehicle.
All service work is done in one continuous operation controlled by a microprocessor.

Automatic Air Purge — Any air in the tank is automatically purged

Electronic Scale — Charges by weight for greatest accuracy, protects against overfill

Heavy Duty Compressor — Pulls refrigerant from both high and low sides

6 CFM Vacuum Pump — Quickly pulls down for thorough evacuation

Fast Recharging — A typical vehicle recharge takes just about 30 seconds

REPLACEMENT PARTS

17506	50 lb Refillable Tank for R-12
34750	50 lb Refillable Tank for R-134a
34724	Spin-On Recycling Filter-Drier

INTERNATIONAL MODELS

34701	220-240V 50/60 Hz, for R-134a, CE approved
34701TUV	220-240V 50/60 Hz, for R-134a, TUV approved, no tank
34705	100V 60 Hz, for R-134a, for Japan
34708	220-240V 50/60 Hz, for R-134a, CE approved, for France
17701A	220-240V 50/60 Hz, for R-12 CE approved

SPECIFICATIONS

Voltage	115V 60 Hz
Dimensions	46″ H x 22″ W x 28″ D (114 cm x 56 cm x 71 cm)
Weight	Approx. 170 lbs (77 kg) without tank

Model 34134A Econo-Charge for R-134a

Our manual operation, economy model includes quality features for fast service.

Heavy Duty Compressor — Recovers quickly and pulls the system into a vacuum prior to recharging

Electronic Scale — Accurately charges, weighs recovered refrigerants, protects against tank overfill

Detachable Manifold — Used to control the flow of refrigerant

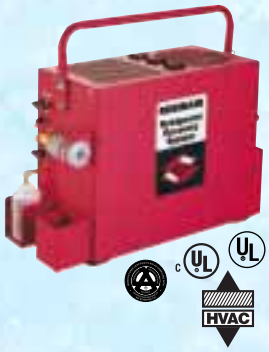
SPECIFICATIONS

Voltage	115V 60 Hz
Dimensions	45″ H x 22″ W x 28″ D (114 cm x 56 cm x 71 cm)
Weight	Approx. 65 lbs (30 kg) without tank

REPLACEMENT PARTS

34130	30 lb Refillable Tank for R-134a
34724	Spin-On Recycling Filter-Drier
34727	Optional Vacuum Pump Mounting Kit

Model 17650A Recovery



For a variety of applications including residential A/C appliances, walk-in freezers, heat pumps, vending machines and rooftop systems.

- In-line filter-drier and oil separator remove contaminants during recovery
- Automatic shut-off frees you to do other work
- 30 lb (14kg) tank with overflow protection
- Ample heat exchange

INTERNATIONAL MODEL

17651	220-240V 50/60 Hz

REPLACEMENT PARTS

17571	30 lb (14kg) Tank with Float Switch
17663	Inlet Filter-Drier

Model 17625A/34650

- Lightweight, portable recovery that's ideal for off-road, agricultural, and similar applications
- Inlet filter captures particulates that could damage compressor
- 30 lb refillable tank with overflow protection
- Meets appropriate SAE specifications

17625A	For R-12, 3/16″ fittings on tank
34650	For R-134a, ½″ Acme fittings on tank

REPLACEMENT PARTS

17576	30 lb (14 kg) tank for 17625A
34579	30 lb (14 kg) tank for 34650
17630	Inlet Filter for 17625A
17663	Inlet Filter for 34650

RECOVERY/RECYCLING

Recovery, Recycling, Recharging For R-134a

Model 34900

Features Automatic Tank Refill/Automatic Air Purge/ Automatic Oil Drain Features

Internal Storage Vessel — Recover into, charge out of this vessel; unit automatically refills this vessel from source tank.

Electronic Scale — Internal scale is protected from shock impact.

Alpha Numberic Display — Easy to read; select from English, French, German or Spanish.

6 CFM Vacuum Pump — Quickly pulls to a deep vacuum for thorough evacuation.

Heavy Duty Compressor — Pulls from both the high and low sides for fastest recovery.

SPECIFICATIONS	
Voltage	115V 60 Hz
Dimensions	46″ H x 27″ W x 32″ D (116.8 cm x 68.8 cm x 81.3 cm)
Weight	Approx. 170 lbs (77 kg) without tank

INTERNATIONAL MODEL
34901 220-240V 50/60 Hz

REPLACEMENT PART
34724 Spin-On Recycling Filter-Drier

Econo-Charge Dual for R-12 and R-134a

Model 34234

Dual circuitry lets you recover, recycle, and recharge both R-12 and R-134a with no clearing and no need to change hoses or tanks. Includes two tanks, two manifold gauge sets, two tank pressure/temperature monitors and two electronic scales.

Semi-Automatic Operation — Microprocessor controls certain functions including vacuum and recovery, others are controlled manually

Manifold Gauge Sets — Use to control flow of refrigerant; detachable to use away from unit

Manual Air Purges — Gauges show when to release air in tanks

⅓ HP Compressor — Pulls refrigerant from both the high and low sides; also pulls the system into a vacuum prior to recharging

Electronic Scale — Charges by weight for greatest accuracy

SPECIFICATIONS	
Voltage	115V 60 Hz
Dimensions	45″ H x 22″ W x 28″ D (114 cm x 56 cm x 71 cm)
Weight	Approx. 168 lbs (76.2 kg) without tanks

REPLACEMENT PARTS
17105 30 lb Refillable Tank for R-12
34130 30 lb Refillable Tank for R-134a
34724 Spin-On Recycling Filter-Drier

Enviro-Charge Dual For R-12, R-134a

Model 34800

Two built-in manifolds, two tanks and two electronic scales eliminate the need to clear or switch hoses and tanks to change refrigerant types.

Automatic Operation — Microprocessor controls all functions, air in tanks is automatically purged

Electronic Scale — Auto shut-off during charging, also protects against overfill

Heavy Duty Compressor — Pulls refrigerant from both high and low sides

6 CFM Vacuum Pump — Quickly pulls down for thorough evacuation

SPECIFICATIONS	
Voltage	115V 60 Hz
Dimensions	44½″ H x 24″ W x 27″ D (113 cm x 60.9 cm x 68.6 cm)
Weight	Approx. 185 lbs (83.9 kg) without tanks

INTERNATIONAL MODEL
34801 220-240V 50/60 Hz, readout in kg

REPLACEMENT PARTS
17105 30 lb Refillable Tank for R-12
34130 30 lb Refillable Tank for R-134a
34724 Spin-On Recycling Filter-Drier

RECOVERY/RECYCLING

Model 17680-2K

COOLTECH 680

Universal Recovery Station For Any Refrigerant

IMPORTANT:
Refrigerant collected with the Cool-Tech 680 should not be used in any A/C system. When the tank is full, send it to a disposal facility.

With the Cool-Tech 680, you don't have to turn away A/C jobs because the refrigerant is contaminated.

A recovery-only unit designed for quickly capturing contaminated or unknown refrigerants, mixtures, and blends, it protects your recovery/recycling equipment and your shop's refrigerant supply.

- Recover into one 50-lb tank for collection and off-site disposal (mixtures and blends cannot be recycled).
- Simple to hook-up and operate with instructions printed on the control panel for quick reference.
- Other features include air regulator for compressor air supply; air line lubricator which prolongs motor life by supplying continuous lubrication, and tank pressure gauge.
- Two hoses are included and one with a ¼" MFL fitting and one with a ½" Acme field service coupler.

Here's how quickly the Cool-Tech 680 works:

- Connect service hose (included) to A/C system's low side access port.
- Turn switch to "Start" Recovery begins immediately.
- Watch the inlet pressure gauge—it shows when the system has been pulled into a vacuum — recovery is complete.

Includes User Safety Features

- The unit runs on standard (compressed) shop air and the vehicle's battery, reducing risk when recovering flammable hydrocarbons (some substitute refrigerants contain propane or butane).
- Tank float switch prevents overfilling of the 50 lb tank.

SPECIFICATIONS

Power Source	12V DC and compressed air (200 psi maximum, 120 psi minimum)
Refrigerant Tank	50 lb (23 kg) with float switch (included)
Dimensions	45" H x 22" W x 28" D (114 cm x 56 cm x 71 cm)
Weight	66 lbs (30 kg) without tank

REPLACEMENT PART

17686 50 lb (23 kg) tank with float switch

PRO Tips

How do you know when to run the Cool-Tech 680?

Whenever you have contaminated refrigerant in a tank or system. The Cool-Tech 680 solves the problem of what to do with contaminated refrigerant — but how can you tell if the refrigerant is good or not? The only way to know for sure is with a refrigerant identifier.

An identifier is a must for shops doing any A/C service. The EPA regulations prohibit venting, as well as mixing of refrigerants, and violations can result in fines of $25,000 or more. And contamination is on the rise — industry sources estimate 10% of all refrigerant in the automotive industry is contaminated.

To see the latest in refrigerant identification technology, turn to pages 22-23.

RECOVERY/RECYCLING

Vinyl Dust Covers

Protect your investment with a heavy duty vinyl dust cover. Features corded seams for durability; medium gray color with Cool-Tech logo.

17495 Fits all 17700A, 34700, 34234, 34234-2K, 34134A, 34134-2K Series

17814 Fits 17800A, 17800-2K, 34800 Series

17490 Fits 34900, 34800-2K Series

17492 Fits 342000, 17700-2K, 34700-2K Series

Refrigerant Tanks

17105 30 lb tank, ¼" fittings (25150, 25175, 25200B, 34234, 34234-2K, 34800 Series)

17506 50 lb tank, ¼" fittings (17800A, 17800-2K, 17700A, 25150, 25175,25200B Series)

17571 30 lb tank with float switch (17650A series)

17572 50 lb tank with float switch

17576 30 lb tank, float switch, 3/16" fitting (17625A Series)

17684 Replacement tank float switch assembly for tanks used with 17625A, 17650A Series

17686 50 lb tank with 3/8" fitting, float assembly for 17680A Series

34130 30 lb tank for R-134a (34234, 34234-2K, 34800, 34134A, 34134-2K Series)

34579 30 lb tank (34650 Series)

34750 50 lb tank for R-134a (34700 Series)

Oil Injectors

It takes just seconds to transfer an oil charge while the system is in a vacuum. The injectors are great add-ons to recovery/recycling and charging.

- Installs in-line on the low side of the manifold.
- Made of durable polypropylene with oil levels marked in ounces and milliliters.
- Solid brass fitting with a Lexan® handwheel.

18065 Oil Injector with ¼" SAE fitting

34065 R-134a Oil Injector with ½" Acme fitting

Recycling Filter-Driers

Specially blended for maximum acid and moisture removal.

16912 Refrigerant Identifier Filter for 342000 and refrigerant identifiers

17630 Inlet Filter for 17625A

17663 Inlet Filter for 34650, 17650A

17678 XH-9 Filter Drier for 17800A, 17800-2K Series

34430 Quick Change Filter for older 17700A, 34450, 34700 Series

34724 Spin-On Filter for 17700A, 17700-2K, 34134A, 34134-2K, 342000, 34234, 34234-2K, 34700, 34700-2K, 34800, 34800-2K, 34900 Series

Syringe-Type Injectors

Use these syringe-type injectors to add oil to a fully pressurized A/C system. Just fill the barrel with the amount of oil needed, connect the injector and press the plunger.

16256 R-134a Oil Injector, ½" Acme quick coupler

16258 Oil Injector, ¼" SAE fitting

Maintenance Kits

Keeps recovery and recycling unit operating at peak efficiency with a convenient maintenance kit. Contains one Quick Change filter-drier to be used on both R-12 and R-134a stations, and one 16 ounce bottle of our Premium High Vacuum Pump Oil.

42140 Maintenance Kit for 17700A, 17700-2K, 342000, 34234-2K, 34700, 34700-2K, 34800, 34800-2K, 34900 Series

42130 Maintenance Kit for early models using 34430 Filter-Drier (17700A,34700)

See your instruction manual if you have questions about which filter-drier to use.

Automotive Retrofit Kits

Model 34570

Includes enough fittings to replace the access ports of five vehicles when retrofitting vehicles from R-12 to R-134a. Aluminum fittings have pre-applied thread sealant that won't strip out, making universal O-rings unnecessary. There are also 90° fittings for heavy duty applications.

Model 17545

Kit includes high and low side fittings with pre-applied thread sealant that won't strip out, and 8 oz. of polyester oil, enough for retrofitting one vehicle from R-12 to R-134a.